

PRODUCT INFORMATION PACKET

rotor nl®

Model No: 6RN112M08E32U241081

Catalog No: 6RN112M08E32U24@1081

1.50 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D230/Y400V 50Hz, 112 Frame B3, IC411



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Nameplate Specifications

Efficiency Class

IE3

Technical Specifications

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Datasheet



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Model No. 8-Pole cage motor 6RN 112 1,5kW D230V 50Hz IM1081

U (V)	Δ / Y Conn	f [Hz]	P		I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __load			I_A/I_N [pu]	T_A/T_N [pu]	T_R/T_N [pu]
			[kW]	[hp]					FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
230	D	50	1,5	2	7,5	720	19,9	IE3	79,7			0,63			5,10	2,60	3,10
400	Y				4,15												
265	D	60	1,5	2	6,5	875	16,3	IE3	84,0			0,59			5,79	2,90	3,60
460	Y				3,8												

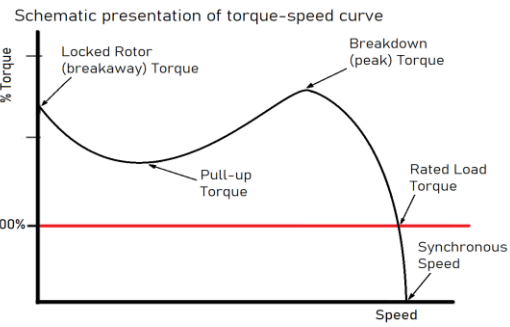
Motor type	6RN112M08E32	Degree of protection	IP55
Enclosure	Totally Enclosed Fan Cooling	Mounting type	IM1081
Frame Material	Cast iron	Cooling method	IC411
Frame size	112	Motor weight - approx.	46 kg
Duty	S1	Gross weight - approx.	47 kg
Voltage	230 V		
Frequency	50 Hz		
Power output	1,5 kW	Vibration level	according IEC60034-14
Insulation class	F		
Ambient temperature	-20 till 40 °C		
Temperature rise	temp.rise acc. B (80K)		
Temperature rise surface		Direction of rotation	cw / ccw
Altitude above sea level	1000 mtr		
Hazardous area classification	Safe area		
Rotor type	Cage motor		
Bearing type	6306-2Z/C3WT		
Type of grease	Unirex N3		
Phase resistance at 20°C	3,4846 Ohm		
Country of origin	CZ		

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Voltage/Freq	Locked rotor Torque [nom] [%]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 230V 50Hz	260%	510%		310%	
@ D 265V 60Hz	290%	583%		360%	4,75 A

NOTE
 All performance values at rated voltage and frequency.
 All performance parameters are subjected to standard tolerance as per IEC 60034-1
 Voltage, Frequency are as per IEC60034-1
 Technical data are subject to change. There may be discrepancies between calculated and name plate values.

Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30



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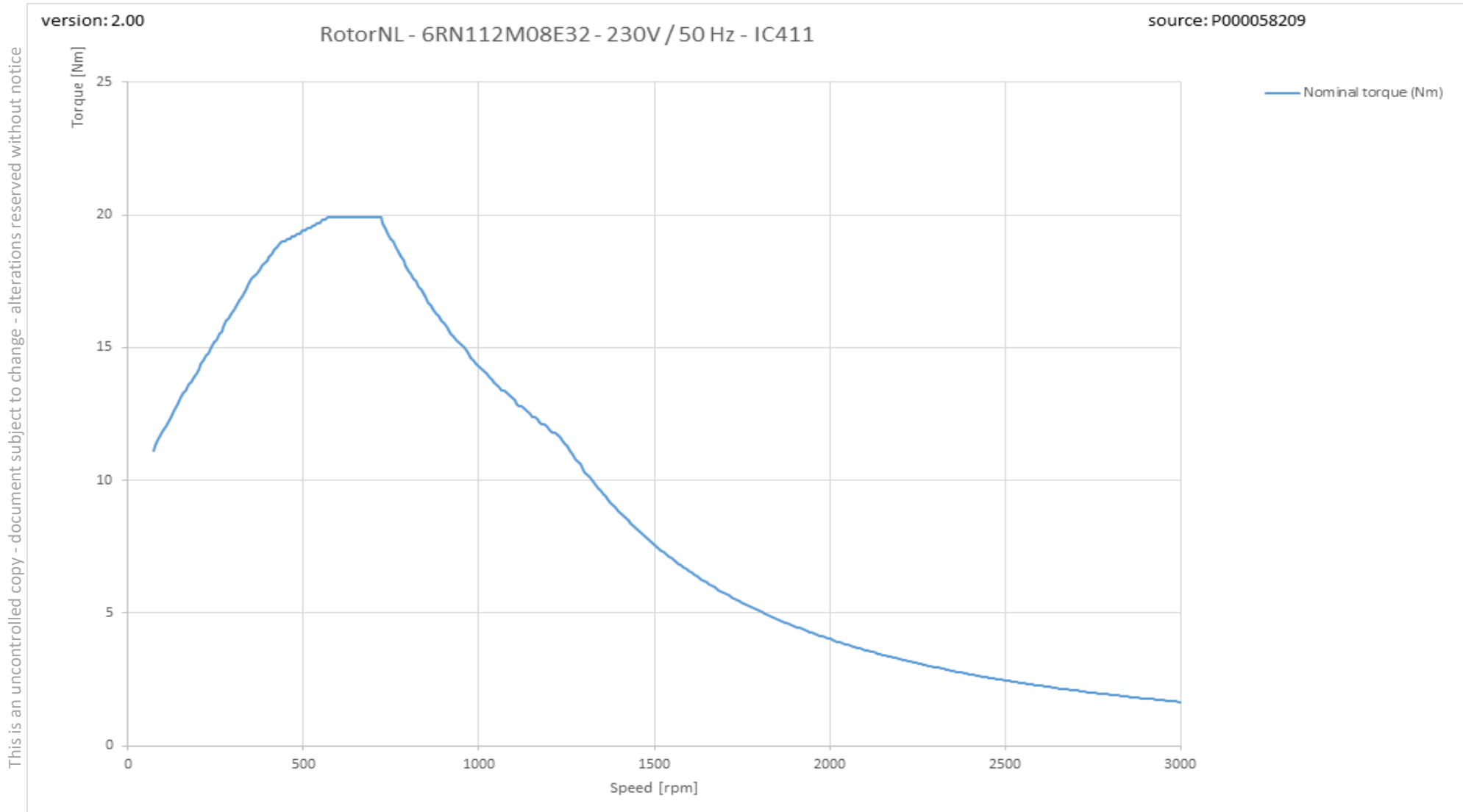


V2.07

6RN112M08E32 8-pole 1,50kW D/Y 230/400V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive



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